


OPTICAL PICKUP

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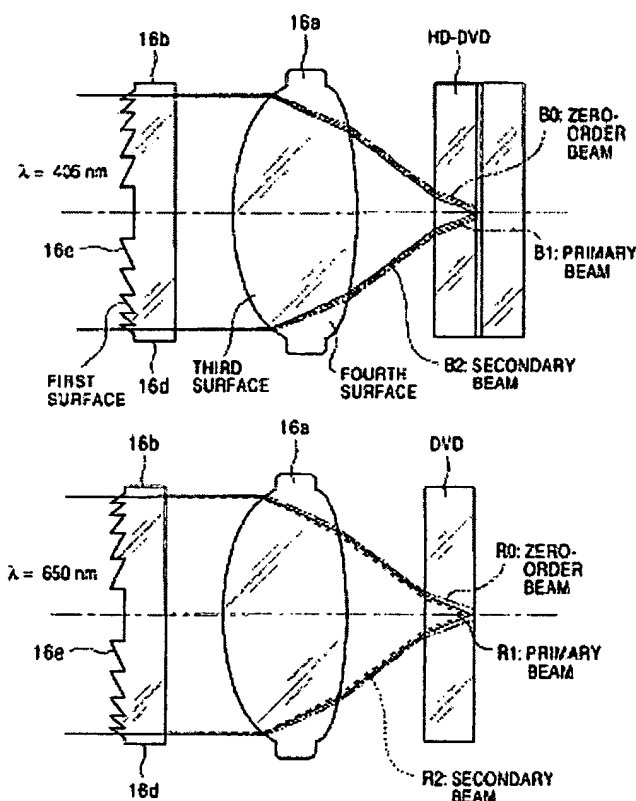
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Abstract of JP2001093179

PROBLEM TO BE SOLVED: To provide an optical pickup suitable for miniaturization and capable of recording and reproduction to the optical disk or recording surface of different corresponding wavelengths.

SOLUTION: This optical pickup is provided with a first light source for emitting a first light beam having a first wavelength, a second light source for emitting a second light beam having a second wavelength longer than the first wavelength, a condensing lens for converging the first and second light beams to the information recording surface of a recording medium and a diffraction optical element arranged in an optical path from the first and second optical sources to the condensing lens. The condensing lens converges the diffracted light beam of a first diffraction order of the first light beam from the diffraction optical element as information reading light or information recording light and converges the diffracted light beam of a second diffraction order lower than the first diffraction order of the second light beam from the diffraction optical element as the information reading light or the information recording light.



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